

FIG. 1

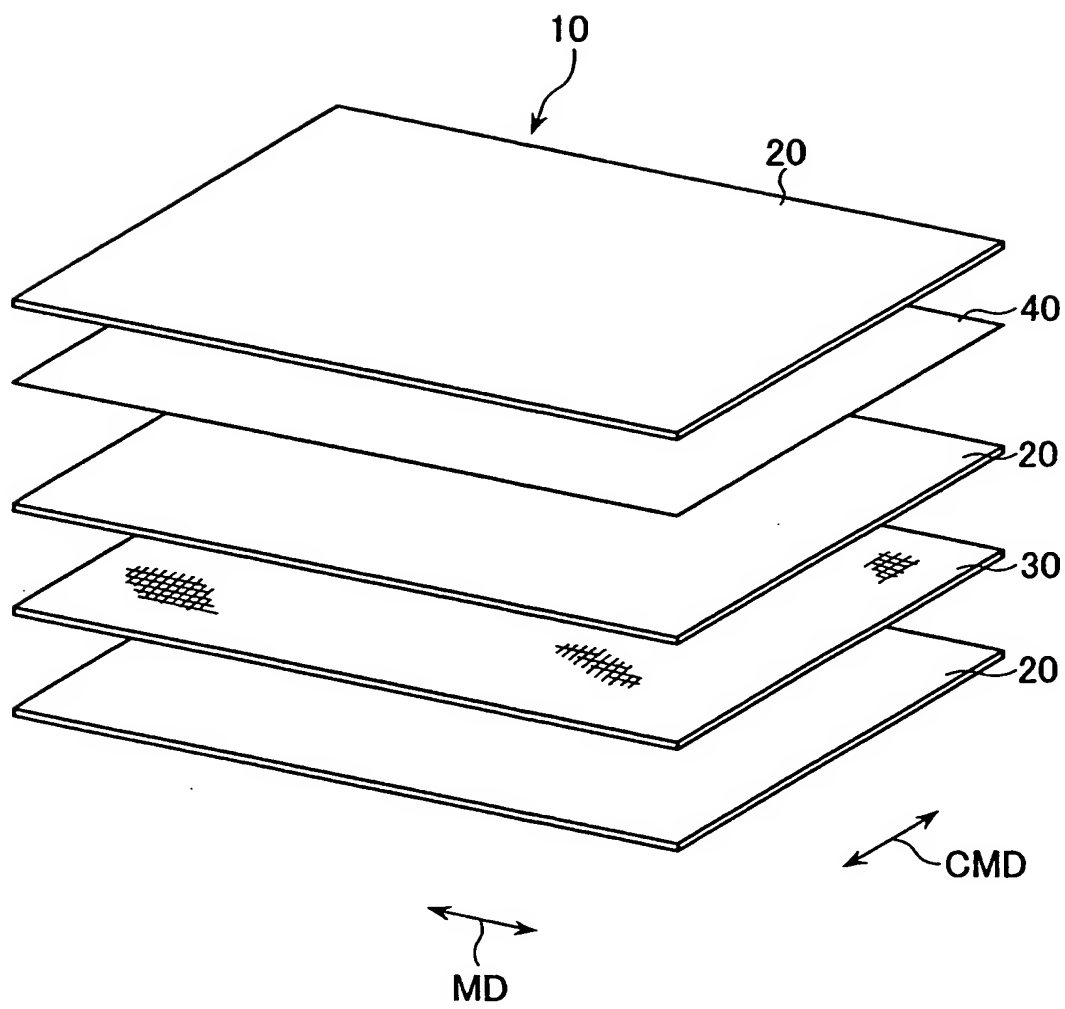


FIG. 2

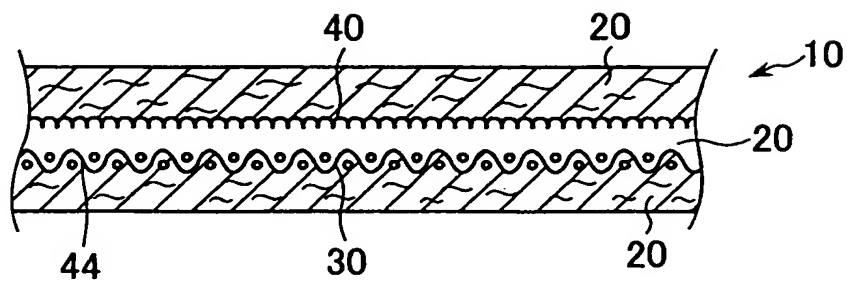


FIG. 4

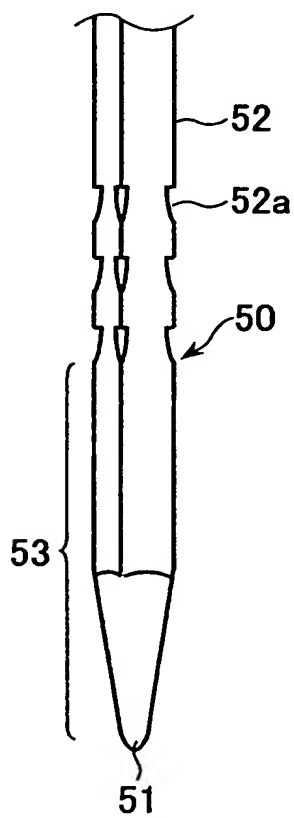


FIG. 3

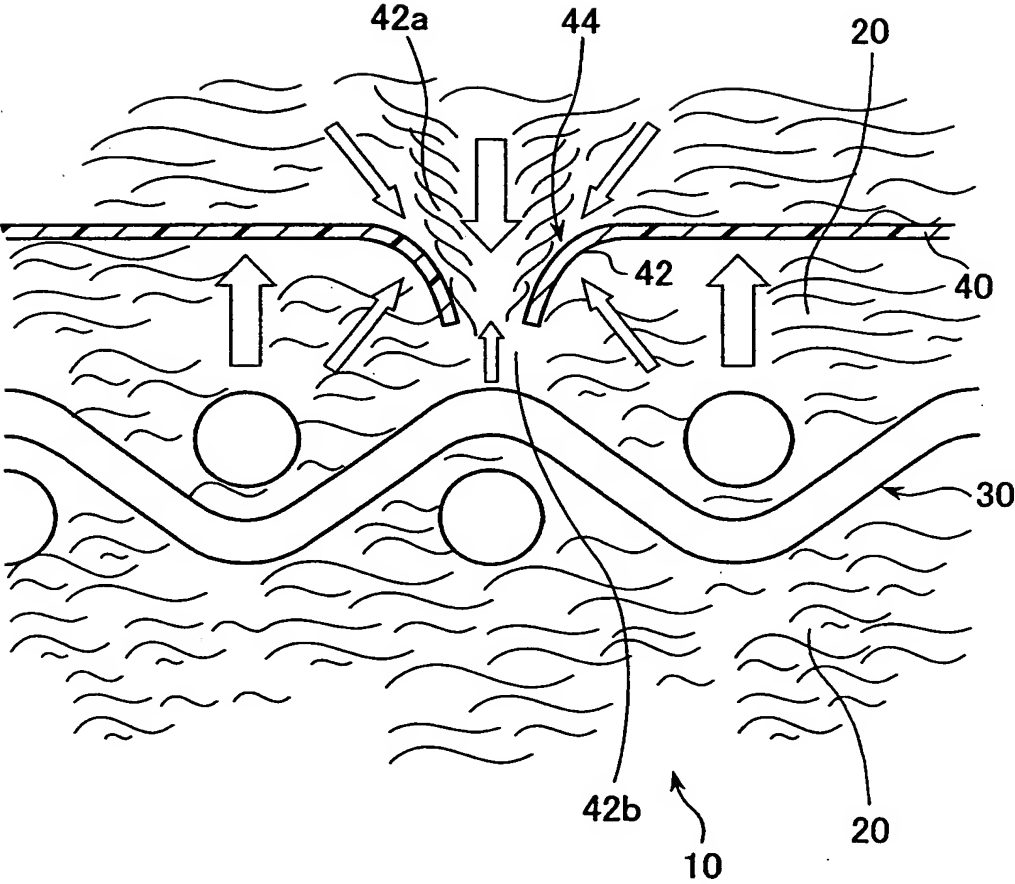


FIG. 5(A)

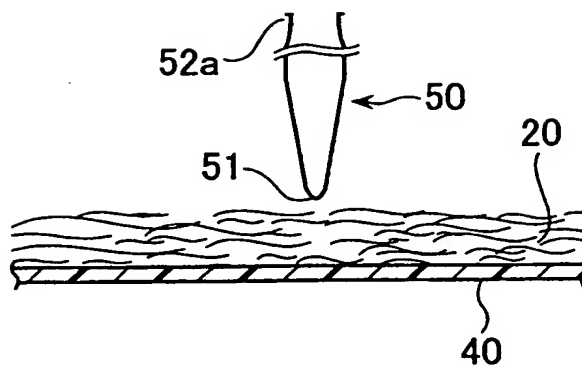


FIG. 5(B)

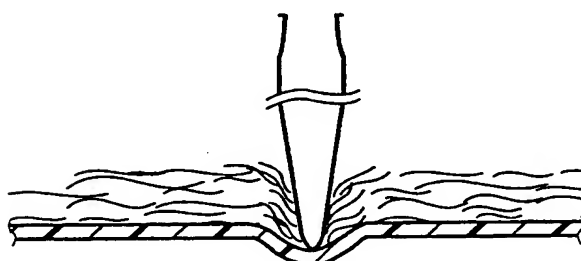


FIG. 5(C)

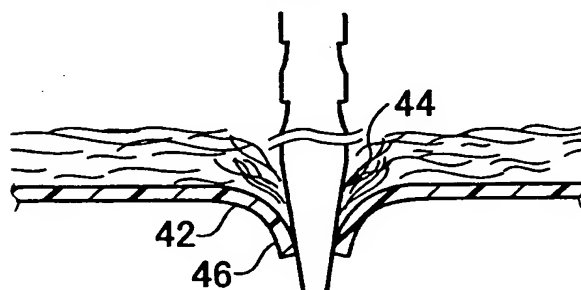


FIG. 5(D)

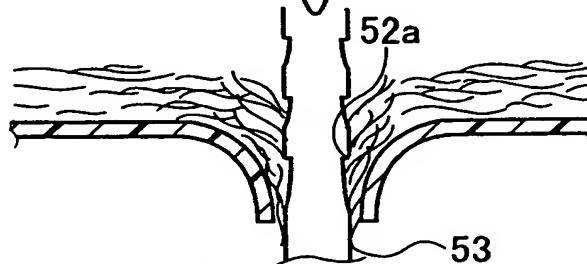


FIG. 5(E)

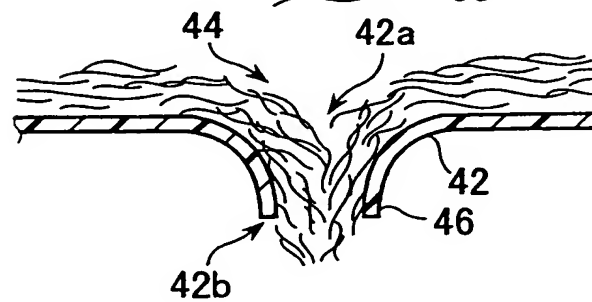


FIG. 6(A)

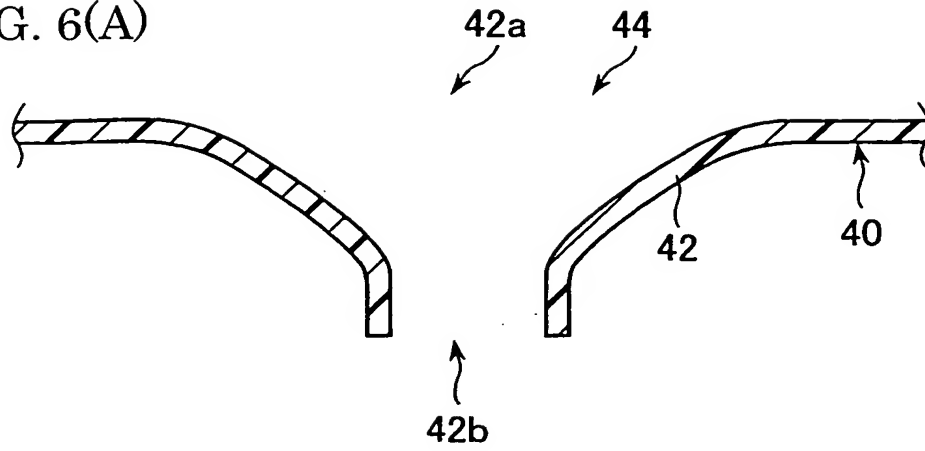


FIG. 6(B)

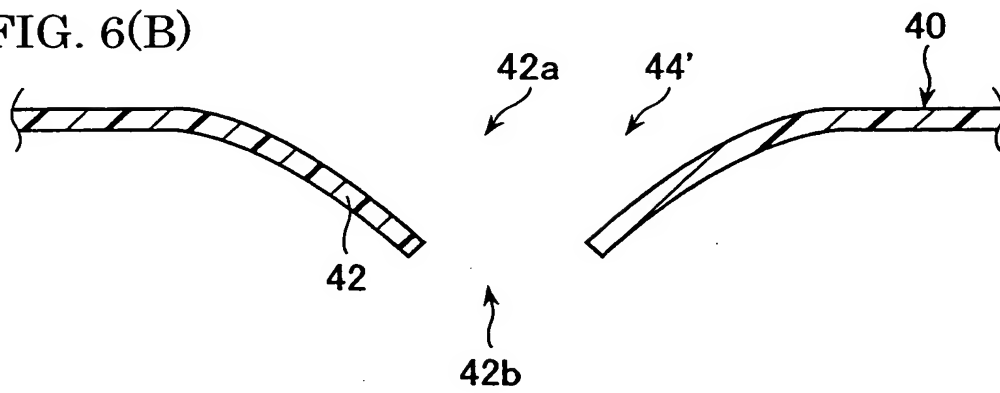


FIG. 7

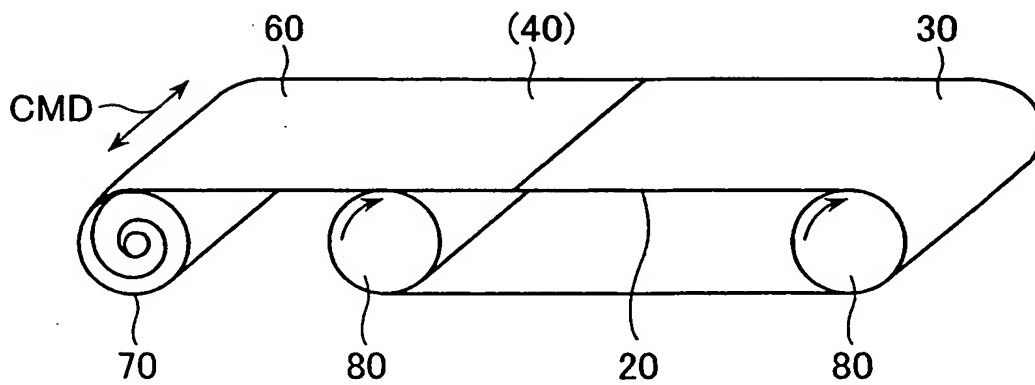


FIG. 8

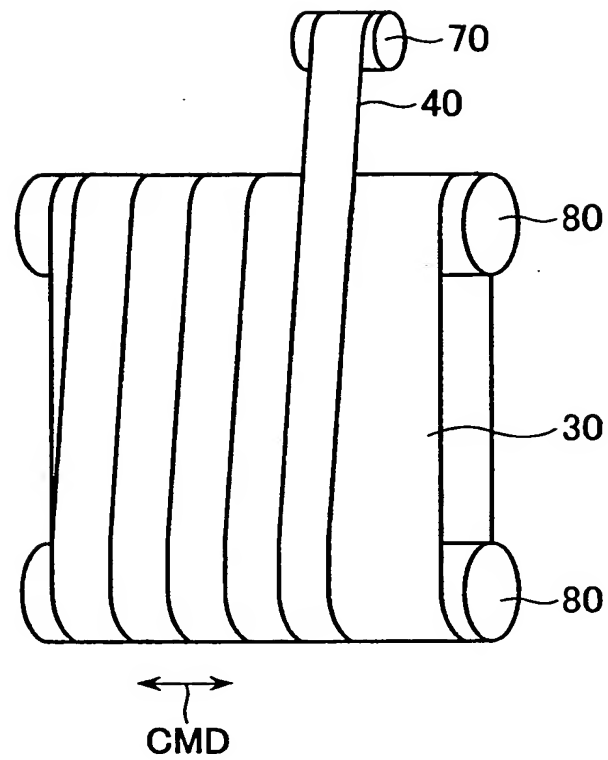


FIG. 9

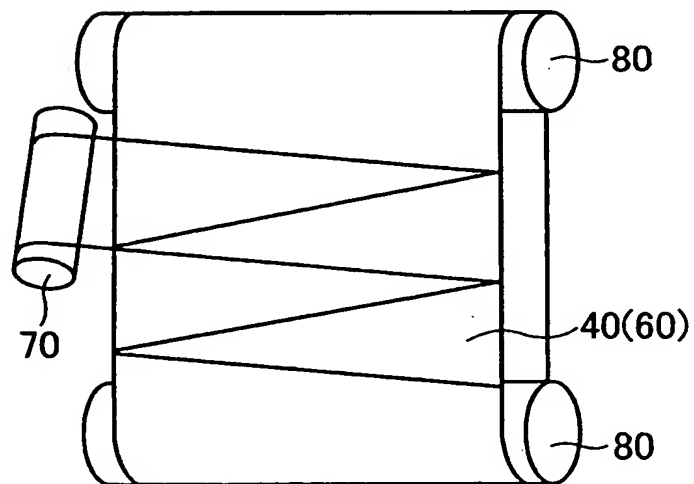
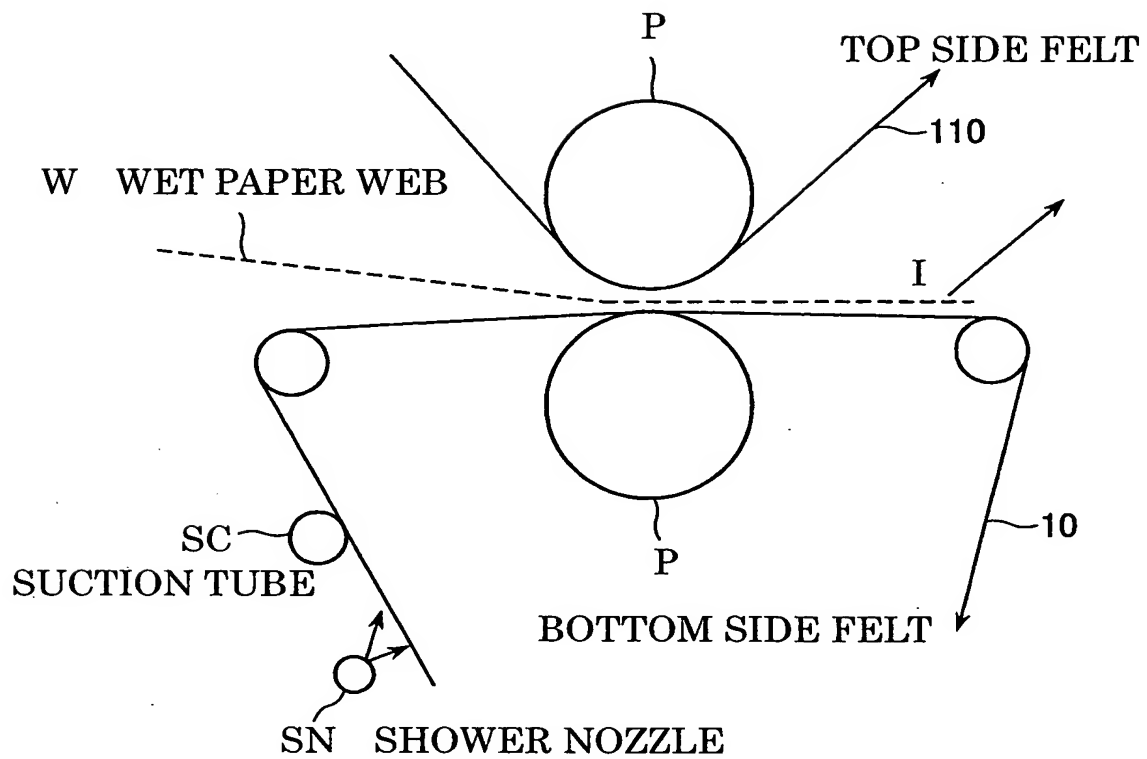


FIG. 10

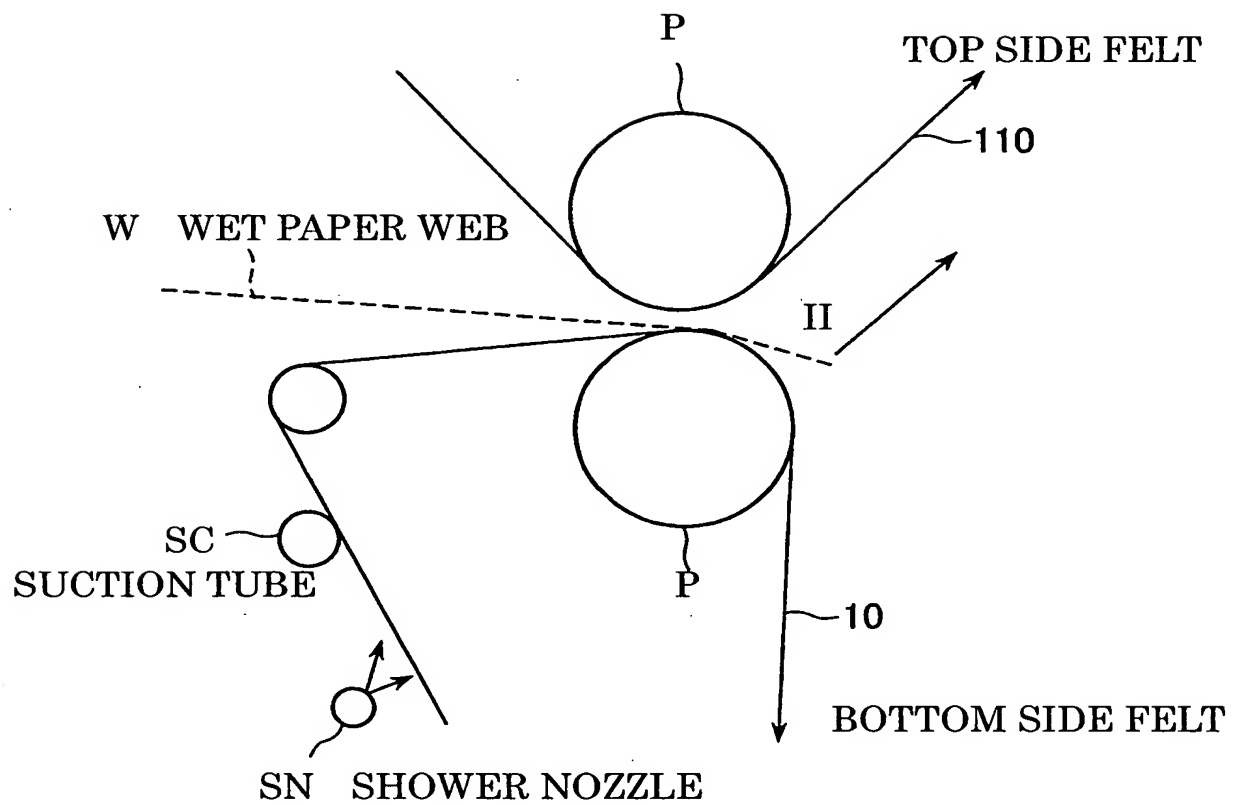
RE-WETTING TEST



SAMPLING
WATER CONTENT AT PRESS EXIT 1

FIG. 11

RE-WETTING TEST



SAMPLING
WATER CONTENT AT PRESS EXIT II

FIG.12

	anti-rewetting layer	physical properties of film	needle punching density	permeability	perforation condition	water content at press exit I (%)	water content at press exit II (%)	value of I - II (%)	evaluation of re-wetting
Example 1	nylon-made non-oriented film	elongation at break: 500% thickness: 25 μ	1000 times/cm ²	5 cc/cm ² /sec	funnel-shaped, no tear	48.3	48.0	0.3	excellent
Example 2	nylon-made non-oriented film	elongation at break: 300% thickness: 25 μ	ditto	6 cc/cm ² /sec	funnel-shaped, no tear	48.2	48.0	0.2	excellent
Comp. Example 1	nylon-made biaxially oriented film	elongation at break: 125% thickness: 25 μ	ditto	10 cc/cm ² /sec	funnel-shaped, small tear	48.7	47.7	1.0	poor
Comp. Example 2	nylon-made uniaxially oriented film	elongation at break: 45% thickness: 25 μ	ditto	15 cc/cm ² /sec	funnel-shaped, openings are connected because of tear	50.0	48.0	2.0	poor

FIG. 13

PRIOR ART

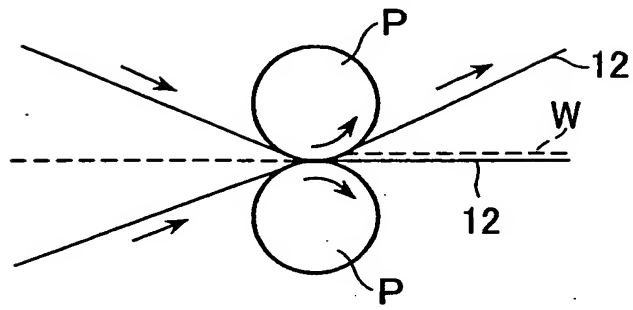


FIG. 14

PRIOR ART

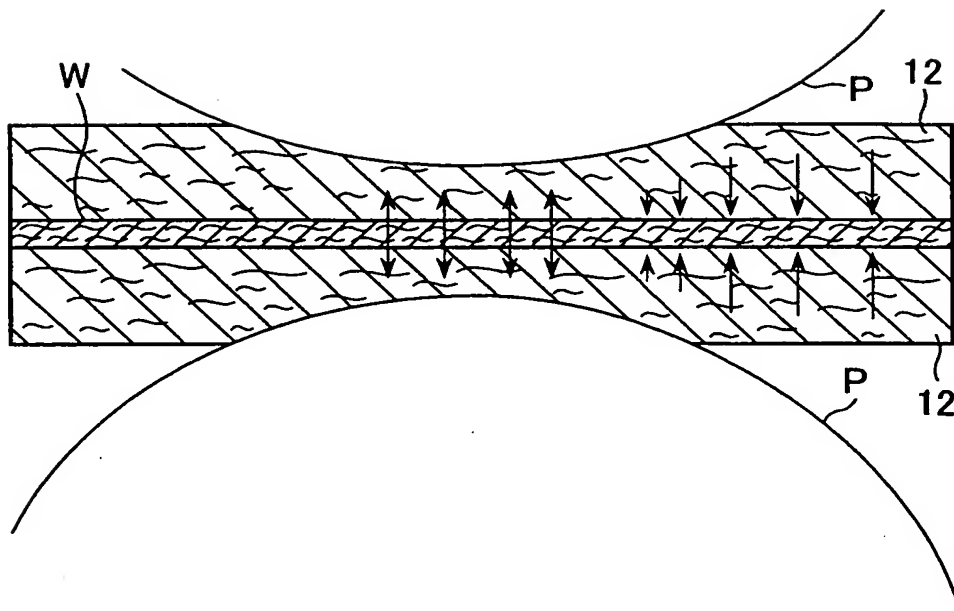


FIG. 15

PRIOR ART

